

# California State University San Marcos

## Major: Chemistry - Sci Educ Option BS

\*This student is remediated in Math and English  
 \*This student took 4 years of high school language other than English

Catalog Year: Current

Degree Units: 120

Semester 1		Semester 2		<b>Comments</b>  [*GEL 101]: Advisor recommends GEL 101 as GE Area E course [*CHEM3]: Upper-division Science Elective: Must take a minimum of 4 units. Choose from CHEM 308, 351L, 352, 398A, 398B, 450, 490, 491, 492, 493, 494; MATH 346, PHYS 323, 324. May consult with faculty advisor for additional options [*CHEM2]: Certain upper-division BIOL, MATH and PHYS courses can fulfill both the UJDE BB requirement and an upper-division elective for the major, but must be taken after 60 units has been completed. Consult with a CHEM faculty advisor to determine acceptable courses
CHEM 150 (B1)	4	MATH 162	4	
CHEM 150L (B3)	1	LOTER - Intermediate Lang Crse	3	
MATH 160 (Fulfills GE Area B4)	5	PHYS 201 (B1/B3)	4	
GE - Area E: Life Long Lrng	3	CHEM 160	3	
GE - A2: Written Comm (3.00)	3	GE - A3, C1, C2 or Area D	3	
<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>17</b>	
Semester 3		Semester 4		
CHEM 201	3	CHEM 202	3	
CHEM 201L	2	CHEM 202L	2	
PHYS 202	4	BIOL 211 (B2)	4	
BIOL 210	4	CHEM 275	4	
GE - A1: Oral Comm	3	GE - A3, C1, C2 or Area D	3	
<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>16</b>	
Semester 5		Semester 6		
CHEM 341	3	CHEM 300	3	
ES 100	3	CHEM 308	3	
GE - A3, C1, C2 or Area D	3	GE Upper Division	3	
GE - A3, C1, C2 or Area D	3	GE - A3, C1, C2 or Area D	3	
GE - A3, C1, C2 or Area D	3	GE - A3, C1, C2 or Area D	3	
<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>15</b>	
Semester 7		Semester 8		<b>Prerequisites for CORE Courses</b>  CHEM 300: CHEM 201 CHEM 341: CHEM 201 CHEM 351: CHEM 202 CHEM 401: CHEM 160, MATH 162, PHYS 202, 206 CHEM 404: CHEM 160, 201, co/pre-req CHEM 404L CHEM 395 and 397: CHEM 160, 202
Upper-Division Science Electiv	4	CHEM 401	3	
EDUC 350	3	CHEM 404	3	
ASTR 342	3	CHEM 404L	1	
CHEM 499	2	GE Upper Division	3	
		CHEM 397	1	
		CHEM 499	2	
<b>Total Units</b>	<b>12</b>	<b>Total Units</b>	<b>13</b>	

Semester of Offerings
<b>Fall Only:</b>
CHEM 351, 402
<b>Spring Only:</b>
CHEM 352, 401, 404, 404L, 405, 450

Faculty Approval